

FORM PTO-1449
(MODIFIED)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

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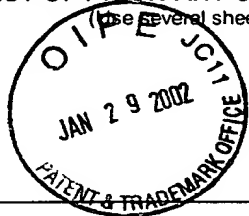
GRI-01-013

SERIAL NO.

09/914,638

LIST OF PRIOR ART CITED BY APPLICANT

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APPLICANT(S)

Raymond J. GORTE et al.

FILING DATE

31 August 2001

GROUP

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CC	AA	5,543,239	08/1996	Virkar et al.	—	—	
CC	AB	5,656,387	08/1997	Barnett et el.	—	—	
CC	AC	4,661,422	04/1987	Marianowski et al.	—	—	
CC	AD	5,350,641	09/1994	Mogensen et al.	—	—	
CC	AE	5,306,411	04/1994	Mazanec et al.	—	—	
CC	AF	5,676,806	10/1997	Van Berkel et al.	—	—	
CC	AG	5,731,097	03/1998	Miyashita et al.	—	—	
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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
CC	AL	00/13791 ✓	03/2000	PCT	—	—		
CC	AM	01 007475	01/1989	Japan (Abstract)	—	—		
CC	AN	338 823	10/1989	EPO	—	—		
	AO							
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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

CC	AR	✓	K. Eguchi et al.: <i>Electrical properties of ceria-based oxides and their application to solid oxide fuel cells</i> , <i>Solid State Ionics</i> , 52, pp. 165-172, 1992.					
CC	AS	✓	M. Mogensen et al.: <i>Physical Properties of Mixed Conductor Solid Oxide Fuel Cell Anodes of Doped CeO₂</i> , <i>J. Electrochem. Soc.</i> , Vol. 141, No. 8, pp. 2122-2128, August 1994.					
CC	AT	✓	E.S. Putna et al.: <i>Ceria-Based Anodes for the Direct Oxidation of Methane in Solid Oxide Fuel Cells</i> , <i>Langmuir</i> , Vol. 11, No. 12, pp. 4832-4837, 1995.					

EXAMINER

Cant Chores

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8/8/03

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

USCOMM-DC 80-3985

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GRI-98-024

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09/261,324

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APPLICANT(S)

Raymond J. GORTE et al.

FILING DATE

03 March 1999

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a	AR	✓	R.T. Baker et al.: <i>Evaluation of perovskite anodes for the complete oxidation of dry methane in solid oxide fuel cells</i> , <i>Solid State Ionics</i> , 72, pp. 328-333, 1994.
a	AS	✓	K. Asano et al.: <i>A Novel Solid Oxide Fuel Cell System Using the Partial Oxidation of Methane</i> , <i>J. Electrochem. Soc.</i> , Vol. 142, No. 10, pp. 3241-3245, October 1995.
a	AT	✓	Y. Hiei et al.: <i>Partial oxidation of methane for internally reformed solid oxide fuel cell</i> , <i>Solid State Ionics</i> , Vol. 86-88, pp. 1267-1272, 1996.

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Carol Chamer

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α	AR	✓	N.M. Sammes et al.: <i>Synthesis and properties of dense nickel and cobalt zirconia cermet anodes for solid oxide fuel cells</i> , J. Mat. Sci, 31, pp. 6069-6072, 1996.
α	AS	✓	C.H. Bartholomew: <i>Carbon Deposition in Steam Reforming and Methanation</i> , Catal. Rev.--Sci. Eng., 24 (1), pp. 67-112, 1982.
α	AT	✓	T. Kawada et al: <i>Electrical properties of transition-metal-doped YSV</i> , Solid State Ionics, Vol. 53-56, pp. 418-425, 1992.

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C. A. Chong

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e	AR	✓	T. Tsai et al.: <i>Effect of Mixed-Conducting Interfacial Layers on Solid Oxide Fuel Cell Anode Performance</i> , J. Electrochem. Soc, Vol. 145, No. 5, pp. 1696-1701, May 1998.
α	AS	✓	H. Itoh et al.: <i>Configurational and Electrical Behavior of Ni-YSZ Cermet with Novel Microstructure for Solid Oxide Fuel Cell Anodes</i> , J. Electrochem. Soc, Vol. 144, No. 2, pp. 641-646, February 1997.
e	AT	✓	H. Itoh et al.: <i>Improved Microstructure of Ni-YSZ Cermet Anode for SOFC with a Long Term Stability</i> , Denki Kagaku, Vol. 64, No. 6, pp. 549-554, 1996.

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Curt/Chen

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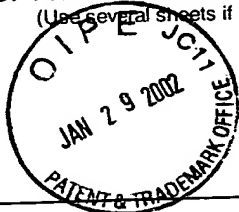
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	AR	<input checked="" type="checkbox"/>	M. Mogensen et al.: <i>Kinetic and geometric aspects of solid oxide fuel cell electrodes</i> , <u>Solid State Ionics</u> , Vol. 86-88, pp. 1151-1160, 1996.
	AS	<input checked="" type="checkbox"/>	M. Watanabe et al.: <i>High Performance Catalyzed-Reaction Layer for Medium Temperature Operating Solid Oxide Fuel Cells</i> , <u>J. Electrochem. Soc.</u> , Vol. 141, No. 2, pp. 342-346, February 1994.
	AT	<input checked="" type="checkbox"/>	R.T.K. Baker: <i>Catalytic Growth of Carbon Filaments</i> , <u>Carbon</u> , Vol. 27, No. 3, pp. 315-323, 1989.

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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	<input checked="" type="checkbox"/>	H. Alqahtany et al.: <i>Methane Steam Reforming over Fe Electrodes in a Solid Electrolyte Cell</i> , <i>Energy & Fuels</i> , 7, pp. 495-504, 1993.
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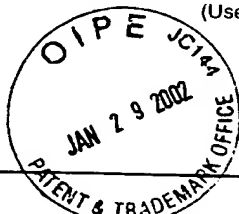
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31 August 2001

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CL	AA	6,214,485	04/2001	Barnett et al.	—	—	
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EXAMINER

Carl Ch...

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8/8/02

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